

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|---|------------------|---------|---------------------|
| L1 | 0 | method with conductive with layer with metal with oxide with insulation with second with inhibiting with undesired with oxidation with ohmic with diffusion with barrier.clms. | US-PGPUB | OR | ON | 2008/10/01 09:44 |
| L2 | 2534 | 257/306.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/01 09:48 |
| L3 | 4993 | 438/396.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/01 09:48 |
| L4 | 1333 | 438/239.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/01 09:48 |
| L5 | 2398 | 438/586.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/01 09:48 |
| L6 | 10522 | L2 or L3 or L4 or L5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/01 09:48 |
| L7 | 15 | L6 and (first with conductive) and (second with conductive) and inhibiting and (diffusion with barrier) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/01 09:48 |

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|----|----|---|---|----|-----|---------------------|
| S1 | 29 | ("5032545" "5068199" "5142438" "5335138" "5440173" "5573979" "5604145" "5844771" "5963814" "5969983" "5972771" "6011284" "6207145" "6207561").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/04 10:24 |
| S2 | 4 | S1 and ((tungsten adj nitride) or (titanium adj nitride)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/04 10:25 |
| S3 | 4 | "6590246" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/02 15:57 |
| S4 | 29 | ("5032545" "5068199" "5142438" "5335138" "5440173" "5573979" "5604145" "5844771" "5963814" "5969983" "5972771" "6011284" "6207145" "6207561").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/04 10:24 |
| S5 | 0 | ((("5032545" "5068199" "5142438" "5335138" "5440173" "5573979" "5604145" "5844771" "5963814" "5969983" "5972771" "6011284" "6207145" "6207561").PN.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/08/03 16:16 |

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| | | and (inhibiting adj layer) | | | | |
| S6 | 0 | ((("5032545" "5068199" "5142438" "5335138" "5440173" "5573979" "5604145" "5844771" "5963814" "5969983" "5972771" "6011284" "6207145" "6207561").PN.) and (inhibiting or inhibits)) and embedded | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/08/03 16:17 |
| S7 | 0 | ((("5032545" "5068199" "5142438" "5335138" "5440173" "5573979" "5604145" "5844771" "5963814" "5969983" "5972771" "6011284" "6207145" "6207561").PN.) and embedded | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/08/03 16:17 |
| S8 | 1 | ((("5032545" "5068199" "5142438" "5335138" "5440173" "5573979" "5604145" "5844771" "5963814" "5969983" "5972771" "6011284" "6207145" "6207561").PN.) and (inhibiting or inhibits) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/08/03 16:18 |

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|-----|---|---|---|----|-----|---------------------|
| S9 | 7 | ((("5032545" "5068199" "5142438" "5335138" "5440173" "5573979" "5604145" "5844771" "5963814" "5969983" "5972771" "6011284" "6207145" "6207561").PN.) and (ruthenium or iridium) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/03 17:59 |
| S10 | 0 | ((("5032545" "5068199" "5142438" "5335138" "5440173" "5573979" "5604145" "5844771" "5963814" "5969983" "5972771" "6011284" "6207145" "6207561").PN.) and (ruthenium or iridium)) and (ditantalum pentaoxide) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/03 17:49 |
| S11 | 1 | ((("5032545" "5068199" "5142438" "5335138" "5440173" "5573979" "5604145" "5844771" "5963814" "5969983" "5972771" "6011284" "6207145" "6207561").PN.) and (ditantalum pentaoxide) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/03 17:52 |

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|-----|---|--|---|----|-----|---------------------|
| S12 | 0 | ((("5032545" "5068199" "5142438" "5335138" "5440173" "5573979" "5604145" "5844771" "5963814" "5969983" "5972771" "6011284" "6207145" "6207561").PN.) and (ditantalum pentaoxide) and (ruthenium or iridium) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/03 17:52 |
| S13 | 0 | ((("5032545" "5068199" "5142438" "5335138" "5440173" "5573979" "5604145" "5844771" "5963814" "5969983" "5972771" "6011284" "6207145" "6207561").PN.) and (ruthenium or iridium)) and (platinum adj rhodium) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/03 18:00 |
| S14 | 0 | ((("5032545" "5068199" "5142438" "5335138" "5440173" "5573979" "5604145" "5844771" "5963814" "5969983" "5972771" "6011284" "6207145" "6207561").PN.) and (platinum adj rhodium) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/03 18:02 |

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| S15 | 8389 | platinum adj rhodium | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/03 18:01 |
| S16 | 362 | (platinum adj rhodium) and capacitor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/03 18:01 |
| S17 | 2 | ((platinum adj rhodium) and capacitor) and ((platinum adj rhodium) with (inhibiting adj layer)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/03 18:03 |
| S18 | 52 | ((platinum adj rhodium) and capacitor) and ((platinum adj rhodium) with (inhibiting or barrier)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/03 18:04 |
| S20 | 14 | capacitor and (inhibiting adj layer) and (diffusion adj barrier) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/02 16:00 |
| S21 | 107 | capacitor and (inhibiting adj layer) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/05 13:56 |
| S22 | 11 | S21 and ((barrier adj layer) with (inhibiting adj layer)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/05 13:57 |
| S23 | 7 | (US-20040147086-\$).did. or (US-5335138-\$ or US-5969983-\$ or US-6171941-\$ or US-6297527-\$ or US-6342712-\$ or US-6420262-\$).did. | US-PGPUB; USPAT | OR | ON | 2005/02/06 15:12 |

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| S24 | 0 | S23 and (ditantalum adj pentaoxide) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/02/06 15:13 |
| S25 | 31 | (ditantalum adj pentaoxide) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/02/06 15:35 |
| S26 | 8 | S25 and (ruthenium or iridium) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/02/06 15:36 |
| S27 | 4 | S25 and ((ruthenium adj oxide) or (iridium adj oxide)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/02/06 15:38 |
| S28 | 2288 | capacitor and ((ruthenium adj oxide) or (iridium adj oxide)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/02/06 15:41 |
| S29 | 2060 | capacitor and ((ruthenium adj oxide) or (iridium adj oxide) with electrode) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/02/06 15:41 |
| S30 | 2 | S29 and (insulator adj metal adj oxide) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/02/06 15:42 |
| S31 | 306 | S29 and (dielectric with (metal adj oxide)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/02/06 15:43 |

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| S32 | 30 | ("5032545" "5068199" "5142438" "5335138" "5440173" "5573979" "5604145" "5844771" "5963814" "5969983" "5972771" "6011284" "6207145" "6207561" "6432793").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/24 20:33 |
| S33 | 2478 | 257/306.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/24 20:34 |
| S34 | 8 | S33 and (first with conductive) and (second with conductive) and inhibiting and (diffusion with barrier) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/24 20:36 |
| S35 | 5 | "6590246" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/24 20:39 |
| S36 | 4922 | 438/396.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/24 20:47 |
| S37 | 1289 | 438/239.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/24 20:47 |
| S38 | 2368 | 438/586.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/24 20:47 |

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|-----|-------|--|---|----|-----|---------------------|
| S39 | 10336 | S33 or S36 or S37 or S38 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/24 20:47 |
| S40 | 14 | S39 and (first with conductive) and (second with conductive) and inhibiting and (diffusion with barrier) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/24 20:48 |

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